

**U.S. DEPARTMENT OF LABOR**  
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION  
**MATERIAL SAFETY DATA SHEET**

## SECTION I

MANUFACTURER'S NAME		EMERGENCY TELEPHONE NO.
Exxon Company, U.S.A.		(713) 656-3424
ADDRESS (Number, Street, City, State and ZIP Code)		
P. O. Box 2180 Houston, Texas 77001		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS	
RUST PREVENTIVE	RUST-BAN 632	
CHEMICAL FAMILY	FORMULA	
Petroleum Hydrocarbon	Complex mixture of petroleum hydrocarbons.	

## SECTION II HAZARDOUS INGREDIENTS

	%	TLV (UNITS)

### SECTION III PHYSICAL DATA

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BOILING RANGE	> 700°F	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	0.89
VAPOR PRESSURE (mm Hg.)	< 0.01	PERCENT VOLATILE BY VOLUME (%)	Negligible
VAPOR DENSITY (AIR@1)	> 12	EVAPORATION RATE (n - BUTYL ACETATE=1)	< 0.01
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR			
Brown liquid. Petroleum odor.			

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used)		FLAMMABLE OR EXPLOSIVE LIMITS (PERCENT BY VOLUME IN AIR)	LOWER LIMIT	UPPER LIMIT
Cleveland Open Cup	515°F		1%	6%
EXTINGUISHING MEDIA				
Foam, dry chemical, CO <sub>2</sub> , or water fog or spray.				
SPECIAL FIRE FIGHTING PROCEDURES				

Use air-supplied breathing equipment for enclosed areas.  
Cool exposed containers with water spray. Avoid breathing vapor or fumes.

## UNUSUAL FIRE AND EXPLOSION HAZARDS

Do not mix or store with strong oxidants like liquid chlorine or concentrated oxygen.

## SECTION V HEALTH HAZARD DATA

## THRESHOLD LIMIT VALUE

5 mg/m<sup>3</sup> for oil mist in air. (OSHA Regulation 29 CFR 1910.1000)

## EFFECTS OF OVEREXPOSURE

Prolonged or repeated skin contact may cause mild skin irritation.

## EMERGENCY AND FIRST AID PROCEDURES

In case of skin contact, wash thoroughly with soap and warm water. If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides.

## SECTION VI REACTIVITY DATA

## STABILITY

UNSTABLE

## CONDITIONS TO AVOID

STABLE

X

## INCOMPATIBILITY (Materials to avoid)

Strong oxidants like: liquid chlorine, concentrated oxygen, sodium or calcium hypochlorite...

## HAZARDOUS DECOMPOSITION PRODUCTS

Fumes, smoke, carbon monoxide, and sulfur oxides, in the case of incomplete combustion.

HAZARDOUS  
POLYMERIZATION

MAY OCCUR

## CONDITIONS TO AVOID

WILL NOT OCCUR

X

## SECTION VII SPILL OR LEAK PROCEDURES

## STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Recover free liquid. Add absorbent (sand, earth, sawdust, etc.) to spill area. Keep petroleum products out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas.

## WASTE DISPOSAL METHOD

Assure conformity with applicable disposal regulations. Dispose of absorbed material at an approved waste disposal site or facility.

## SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Normally not needed. Use supplied-air respiratory protection in confined or enclosed spaces.

## VENTILATION

LOCAL EXHAUST Use local exhaust to capture fumes and vapors.  
MECHANICAL (General)

SPECIAL Provide greater than 60 fpm hood or face velocity for confined spaces.  
OTHER

PROTECTIVE GLOVES Use chemical resistant gloves if needed to avoid prolonged skin contact.

EYE PROTECTION Use splash goggles or face shield when eye contact may occur.

OTHER PROTECTIVE EQUIPMENT Use chemical resistant apron or other clothing if needed to avoid prolonged skin contact.

## SECTION IX SPECIAL PRECAUTIONS

## PRECAUTIONS TO BE TAKEN IN HANDLING &amp; STORING

Keep containers closed when not in use. Do not handle or store near heat, sparks, flame or strong oxidants.

## OTHER PRECAUTIONS

Avoid breathing oil mist. Remove oil-soaked clothing and launder before re-use. Discard oil-soaked shoes. Wash skin thoroughly with soap and water after handling.

FOR ADDITIONAL INFORMATION ON HEALTH EFFECTS CONTACT:

Director of Industrial Hygiene  
(713) 656-2443

FOR OTHER PRODUCT INFORMATION CONTACT:

Manager, Marketing Technical Services  
(713) 656-4929